



Hydro Generators



Specifications

	Battery Enabled Models	Grid Enabled Models	ME Models
Dimensions	470 x 400 x 430 mm (18.5 x 15.7 x 17 inches)		
Output power	up to 1200 Watts/turbine (1000W normal max)		
Modular installations	up to 16kW with multiple turbines		
Pelton turbine	1-2 jets		
Generator	270mm (10.5 in) Smart Drive Permanent Magnet Generator (PMG) 3 phase		
Rectification	100 amp water cooled rectifier on DC output version		
Generator efficiency	70% and up to 80% in ideal conditions		
Pelton rotor	230mm (9 inch) PCD made from 33% glass filled Nylon with 20 x M5 stainless steel fixings		
Pelton rotor efficiency	>70% up to 80% in ideal conditions		
Casing	LDPE plastic case 6mm thick		
Shaft	25mm (1 inch) stainless steel		
Front Bearing	52x25x15mm (6205)		
Rear bearing	47x25x12mm (6005)		
Warranty	3 years extendable to 10 years		
Static head range	3 to 130m (10 – 430 feet)		
Dynamic head range	3 to 100m (10 – 330 feet)		
Maximum flow/turbine	8-10l/s (130 – 160 gpm)		
Minimum flow/turbine	0.05l/s (0.8 gpm) (special reduced core Smart Drive needed)		
Voltages	BE - 12/24/48/110 VDC	GE - 100-400 VDC grid-tie inverter compatible	ME - 100/120/140/250 VDC for MPPT regulators
Weight packed	25 kg (56 pounds)		
Net Weight	23 kg (51 pounds)		



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